

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

PERMITTEE

Corporate Express Document & Print Management  
Attn: Maureen Matzer  
176 West Terra Cotta Avenue  
Crystal Lake, Illinois 60014

<u>Application No.:</u> 04090056	<u>I. D. No.:</u> 111015ACP
<u>Applicant's Designation:</u>	<u>Date Received:</u> September 17, 2004
<u>Subject:</u> Lithographic Printing Presses	
<u>Date Issued:</u> November 8, 2006	<u>Expiration Date:</u> November 8, 2011
<u>Location:</u> 176 West Terra Cotta Avenue, Crystal Lake	

This permit is hereby granted to the above-designated Permittee to OPERATE eleven non-heatset offset lithographic printing presses pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued:
  - i. To limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 10 tons/year for a single hazardous air pollutant (HAP) and 25 tons/year for totaled HAPs). As a result, the source is excluded from the requirement to obtain a Clean Air Act Permit Program (CAAPP) permit.
  - ii. To limit the emissions of volatile organic materials (VOM) from the construction of new emission units and other modifications at the source, which occurred without first obtaining construction permit(s) between November 15, 1992 and June 15, 2005 (the period during which the Chicago area was classified as severe nonattainment for ozone), to less than 25 tons/year. As a result the source is excluded from the requirements of 35 Ill. Adm. Code Part 203, Major Stationary Source Construction and Modification.
  - iii. To limit the potential emissions of VOM from the source to less than 25 tons/year. As a result, the source is excluded from the requirement of 35 Ill. Adm. Code Part 205, Emission Reduction Market System. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
- b. Prior to issuance a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all operating permit issued for this location.
2. This permit is issued based upon the lithographic printing presses being exempt from the requirements of 35 Ill. Adm. Code Part 218,

Subpart H: Printing and Publishing, Section 218.407: Emission and Control Requirements for Lithographic Printing Lines On and After March 15, 1996. This is consequence of the combined daily emission rate of volatile organic materials (VOM) from subject presses never exceeding an applicability threshold of 100 lb/day established by Section 218.405(d) (2) as determined in accordance with Section 218.411(a) (1) (B) .

3. The plant-wide volatile organic materials (VOM) emissions from printing operations shall not exceed the following limits: 2.0 tons/month and 9.5 tons/year.

The VOM emissions shall be determined from the following equation on a monthly basis:

$$\Sigma (I_i \times C_i) \times 0.05 + \Sigma (S_j \times C_j) - W \times C_w$$

Where:

$I_i$  - Ink usage (gallons/month)

$C_i$  - VOM content of the ink (lb/gallons)

$S_j$  - Solvent usage (gallons/month);

$C_j$  - VOM content of the solvent (lb/gallon);

$W$  - Certified amount of waste shipped-off (gallons/month);

$C_w$  - Certified VOM content of the waste (lb/gallon).

Compliance with annual limits shall be determined from a running total of 12 months of data.

4. The emissions of HAPs as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPs, or such lesser quantity as USEPA may establish by rule which would require the Permittee to obtain a Clean Air Act Permit Program permit from the Illinois EPA. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a Clean Air Act Permit Program permit from the Illinois EPA.
5. The Permittee shall maintain monthly records of the following items:
  - a. Names and amounts of lithographic inks, fountain solutions and clean-up solvents used (tons/mo, tons/yr);
  - b. VOM and HAP content of materials in item (a) (wt%);
  - c. The number of days during that calendar month that lithographic printing lines were in operation;
  - d. VOM emissions calculations for lithographic printing presses to demonstrate an exemption level of the daily VOM emissions performed pursuant to the procedures of Section 218.411 a) (1) (B);

- e. Monthly and annual VOM and HAP emissions with supporting calculations (ton/mo, ton/yr).
- 6. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least five (5) years from the date of entry and shall be made available for inspection and copying by the Illinois EPA and USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to the Illinois EPA or USEPA request for records during the course of a source inspection.
- 7. If there is an exceedance of or deviation from the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance/deviation. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or deviation and efforts to reduce emissions and future occurrences.
- 8. Two (2) copies of required reports and notifications shall be sent to:

Illinois Environmental Protection Illinois EPA  
Division of Air Pollution Control  
Compliance Section (#40)  
P.O. Box 19276  
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Illinois EPA  
Division of Air Pollution Control  
9511 West Harrison  
Des Plaines, Illinois 60016

If you have any questions on this permit, please call Valeriy Brodsky at 217/782-2113.

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

DES:VJB:lsm

cc: Illinois EPA, FOS Region 1  
Lotus Notes

### Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from the lithographic printing facility operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. The resulting maximum emissions are below the levels, e.g., 10 tons per year for a single HAP, and 25 tons per year for totaled HAP at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled and control measures are more effective than required in this permit.

<u>Process</u>	Emissions (tons/yr)		
	<u>VOM</u>	<u>Single HAP</u>	<u>Total HAP</u>
Lithographic Printing Operations	9.5	<10	<25

VJB:lsm